

REMARKS

The application is believed to be in condition for allowance.

This amendment is being filed as part of an RCE application.

There are no formal matters outstanding.

Claims 1 and 4 are independent and have been amended. New independent claim 21 has been added.

As previously discussed, the invention provides adjacent coils having phase differences of either 0 degrees or 180 degrees, supplied by a single-phase AC current.

The claims stand rejected as anticipated by JP 6182518 (JP '518).

In summary, the Official Action does not dispute that the claimed invention is not disclosed by JP '518. Rather, the Official Action states that the three-phase current of JP '518 is capable of generating a single phase.

The Official Action stated "the [JP ' 518] apparatus is capable of generating a single phase AC current by not utilizing the other two pairs." That is, the Official Action acknowledges that JP '518 discloses a three-phase AC generator with three pairs of poles and configured to operate with three pairs of poles. The Official Action takes the position that by re-configuring the JP '518 to use only one pair of poles, JP '518 would anticipate.

As previously argued, applicant does not agree. However, to advance the case (and without prejudice), the claims have been amended.

Applicant notes that the Official Action did not respond to applicant's arguments concerning the dependent claims.

Claim 1 now recites wherein each pair of the electromagnets lying side by side next to each other have a phase difference of 0° or 180°. This was previously found in dependent claim 17.

Claim 4 now recites, wherein said single-phase AC current power supply is capable of providing only single-phase AC current to make explicit an embodiment of the invention and to avoid the "JP '518 is capable of ..." argument.

Regarding claims 15 and 4, JP '518 does not disclose any power supply that is capable of only providing single-phase AC current.

Regarding claims 17 and 18, the above Remarks clearly demonstrated such phase distribution generated by single-phase AC current supply is not disclosed in JP '518.

Regarding claims 19 and 20, as has already been demonstrated in the last amendment, clear and definite change of connection between elemental units is necessary for the power supply of JP '518 to realize claimed phase distribution (i.e. that disclosed in Figure 2a), and therefore JP '518 does not disclose such feature.

Additionally, please note that no two electromagnets chosen from the same side of the mold in the apparatus of JP' 518, adjacent or not, have a phase difference of  $180^\circ$  (see Illustration 1 filed on January 25, 2007). Therefore, phase differences of  $180^\circ$  cannot be realized "by not utilizing the other two pairs".

From the above, it is clear that JP '518 does not anticipate.

Nor does JP '518 render the present claims obvious. Any motivation to modify JP '518 in a manner necessary to achieve the presently claimed invention would arise from improperly application of hindsight

The claims as pending are therefore both novel and non-obvious. In view of these amendments and the above explanation, reconsideration and allowance of all the claims are respectfully requested.

Applicants believe that the present application is in condition for allowance and an early indication of the same is respectfully requested.

The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17.

Respectfully submitted,

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